

ABSTRACT OF THE DISCLOSURE

A device for implementing a method for controlling a switched-reluctance motor having a rotor and excitable phases is disclosed. The device comprises a controller and an interface for implementing a master control routine including a pre-alignment stage, a preliminary stage, and a primary stage. During the pre-alignment stage, the rotor is rotated to an initial position corresponding to one the phases being aligned. During the preliminary stage, the rotor is rotated from the initial position is rotated in a desired direction. During the primary stage, any operational losses are minimized when the rotor is positioned in a holding position.